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RSPA-98-4309-30

U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

DEPT OF TRANSPORTATION
DOCKETS
02 SEP 20 AM 11:13

DOT-E 12124
(SEVENTH REVISION)

EXPIRATION DATE: July 31, 2004

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Albemarle Corporation
Baton Rouge, LA

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of certain Division 4.2 and Division 4.3 materials in a non-DOT specification portable tank comparable to a DOT Specification 51 portable tank. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.242 in that a non-DOT specification portable tank is not authorized, except as specified herein.

5. BASIS: This exemption is based on the application of Albemarle Corporation dated July 15, 2002, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identification Number	Packing Group
Organometallic compound, water-reactive, flammable, n.o.s.	4.3	UN3207	I
Pyrophoric organometallic compound, solid, water-reactive, n.o.s.	4.2	UN3203	I
Pyrophoric solid, inorganic, n.o.s.	4.2	UN3200	I
Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	I
Water-reactive solid, n.o.s.	4.3	UN2813	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-DOT specification stainless steel portable tank conforming to the configuration and dimensions shown in Albemarle Drawings D-ALB.PROD.CON, Rev 0 dated October 20, 1998 and 9699-1 Revised on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). The portable tank has the following features:

(1) a minimum wall thickness of 9.5 mm (0.375 in);

(2) a maximum allowable working pressure of 8.62 bar (125 psig);

(3) a capacity not to exceed 880 liters (232 gallons);

(4) a cone-shaped funnel bottom with a bottom discharge fitted with a block valve that may have an eductor fitted to the inlet side of the valve;

(5) a maximum loading or discharge pressure of 3.5 bar (50 psig); and

(6) a spring loaded pressure relief valve set at 8.62 bar (125 psig).

In addition, the portable tank must conform with DOT Specification 51 (§ 178.245), including ASME certification and "U" stamp, except as follows:

(1) § 178.245-1(c). The tank has a bottom discharge fitted with a block valve that may have an eductor fitted to the inlet side of the valve in addition to openings on the top of the tank.

(2) § 178.245-1(d)(4). The portable tank is not mounted in a full framework for containerized transport and the bottom discharge is not fitted with an internal self-closing stop-valve.

(3) § 178.245-7(a). The line on the name plate which reads "DOT Specification No." must be marked "DOT-E 12124".

b. TESTING - Each portable tank must be tested and periodically re-qualified as required for a DOT Specification 51 steel portable tank. Minimum test pressure is 12.93 bar (187.5 psig).

c. OPERATIONAL CONTROLS -

(1) Bottom outlets must be closed with two devices during transportation. A discharge valve provides the first device. The secondary device may be a blind flange, a threaded plug or a camlock cap.

(2) A dry nitrogen blanket of 0.7 bar (10 psig) must be applied to the lading during transportation.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. This exemption serves as a Competent Authority Approval (**CA-9812012**), issued by the Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration of the United States Department of Transportation, in accordance with Section 22 of the International Maritime Dangerous Goods (IMDG) Code.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken

under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:

Ann Mazzullo

for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/exemptions Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: Olson/alb